PARAGON CONVENT SCHOOL

SECTOR – 24 B , CHANDIGARH

ANSWER KEY

CLASS – 6 **SUB – MATHS**

EXERCISE – 4C

Q-3. Solve using the distributive property ;

a. 8 x 107

= 8 x (100 + 7)

= 8 x 100 + 8 x 7

= 800 + 56 = 856

b. 18 x 95

= 18 x (100 – 5)

= 18 x 100 – 18 x 5

= 1800 - 90 = 1710

c. 5 x 108

= 5 x (100 + 8)

= 5x100 + 5x8

= 500 + 40 = 540

d. 24 x 102

= 24 x (100 + 2)

= 24 x 100 + 24 x2

= 2400 + 48= 2448

f. 98 x 15

= (100 – 2) x 15

= 100 x 15 – 2 x 15

= 1500 – 30 = 1470

h. 1020 x 35

= (1000 + 20) x 35

= 1000x 35 + 20 x 35

= 35000 + 700 = 35700

i. 30 x 9 + 60x 9
= 9 x (30 + 60)
= 9 x 90 = 810

k. 15 x 12 – 5 x 12
= 12x (15 – 5)
= 12 x 10 = 120

l. 96 x 73 – 94 x 73
= 73 x (96 – 94)
= 73 x 2 = 146

m. 697 x 8 + 697 x 2
= 697 x (8+ 2)
= 697 x 10 = 6970

Q-4. In a bouquet , there are 7 roses and 8 gladiolis . How many flowers will there be in 9 such bouquets ? Write the mathematical statement for this ?

Sol : Roses in 9 bouquets = 7 x 9 = 63

Gladiolis = 8 x 9 = 72

Total number of flowers in 9 bouquets

= (7x 9 + 8 x 9)

= 9 x (7 + 8)

= 9 x 15 = 135

Q-5. In a class there are 23 boys and 18 girls . How many students will there be in 6 such classes ? Write the mathematical statement.

Sol : No of students in a class = (23 + 18)

No of students in 6 classes

= 6 x (23 + 18)

= 6 x 41 = 246

Q-6. There are 9 sweets in a plate ; 3 of the sweets are rosogullas and the remaining are burfees . How many burfees will there be in 7 such plates ? Write the mathematical statement .

Sol : Total sweets in a plate = 9

Rosogollas = 3

No of burfees = (9 – 3) = 6

No of burfees in 7 plates = 7 x (9-3) = 7 x 6 = 42

Q-7. There are 5 bowls on a table with 7 candles in each bowl. Three candles are taken away from each bowl. How many candles are left in the bowl ? Write the mathematical statement .

Sol : Candles in each bowl = (7 – 3) = 4

Candles in 5 bowls = 5 x (7 – 3) = 5 x 4 = 20

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